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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	O. CONFIRMATION NO.	
10/574,730	01/05/2007	Robert A. Burne	5853-454-1	5558	
30448 AKERMAN SE	7590 03/31/200 ENTERFITT	EXAMINER			
P.O. BOX 3188		TONGUE, LAKIA J			
WEST PALM BEACH, FL 33402-3188			ART UNIT	PAPER NUMBER	
		1645			
		MAIL DATE	DELIVERY MODE		
			03/31/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

			Application	plication No. Applicant(s)					
Office Action Summary			10/574,730		BURNE ET AL.				
			Examiner		Art Unit				
			LAKIA J. TO	NGUE	1645				
The MA Period for Reply	ILING DATE of this commu	nication appea	ars on the c	over sheet with the o	correspondence ad	ddress			
WHICHEVER - Extensions of time after SIX (6) MON - If NO period for re - Failure to reply will Any reply received	D STATUTORY PERIOD F IS LONGER, FROM THE Me e may be available under the provision THS from the mailing date of this comply is specified above, the maximum shin the set or extended period for reply by the Office later than three months in adjustment. See 37 CFR 1.704(b).	MAILING DAT s of 37 CFR 1.136(munication. tatutory period will y will, by statute, ca	TE OF THIS (a). In no event, I apply and will execuse the applica	COMMUNICATION however, may a reply be tin kpire SIX (6) MONTHS from tion to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).				
Status									
1)⊠ Respons	sive to communication(s) file	ed on 06 Ann	ril 2006						
•		cd on <u>oo <i>Apri</i></u> 2b)⊠ This a		-final					
' =		<i>′</i> —			secution as to the	e merits is			
·—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Cla	·								
·		annlication							
,	Claim(s) <u>1-59</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected.								
·	is/are objected to.	ion and/or als	aatian raayi	romont					
	<u>1-59</u> are subject to restrict	ion and/or ele	ection requi	ement.					
Application Pape	rs								
9)∏ The spec	ification is objected to by th	ne Examiner.							
10)∐ The draw	ring(s) filed on is/are	:: a) □ accep	oted or b)□	objected to by the l	Examiner.				
Applicant	may not request that any obje	ection to the dr	rawing(s) be l	neld in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35	U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice of Draftsp	nces Cited (PTO-892) erson's Patent Drawing Review (losure Statement(s) (PTO/SB/08) I Date		4) 5) 6)	=	ate				

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-13, 18-23 and 28-52, drawn to a recombinant bacterial cell comprising an isolated nucleic acid construct, said cell expressing at least one alkalinizing enzyme.

Group II, claim(s) 14-17, drawn to a method for reducing acidification of dental plaque in a subject.

Group III, claim(s) 24, drawn to an isolated nucleic acid comprising nucleotide sequence SEQ ID NO: 1.

Group IV, claim(s) 25, drawn to an isolated nucleic acid comprising nucleotide sequence SEQ ID NO: 2

Group V, claim(s) 26, drawn to an isolated nucleic acid comprising nucleotide sequence SEQ ID NO: 3.

Group VI, claim(s) 27, drawn to an isolated nucleic acid comprising nucleotide sequence SEQ ID NO: 4.

Group VII, claim(s) 53-59, drawn to a method for treating dental carries.

The inventions listed as Groups I-VII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature linking Groups I-VII appears to be a bacterial cell expressing an alkalinizing enzyme.

However, Chen *et al.* (Infection and Immunity, 1996; 64(s): 585-592) disclose the use Streptococcus salivarius urease in dental plaque Streptococcus (see abstract).

Therefore, the technical feature linking the inventions of Groups I-VII does not constitute a special technical feature as defined by PCT Rule 13.2, as it does not define a contribution over the art.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAKIA J. TONGUE whose telephone number is (571)272-2921. The examiner can normally be reached on Monday-Friday 8-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Mondesi can be reached on 571-272-0956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJT 3/29/09

/Robert B Mondesi/ Supervisory Patent Examiner, Art Unit 1645